

ABSTRACT

The present invention provides for a satellite system that will permit for the transmission of signals of two different frequencies and polarities to be transmitted simultaneously, also the system will accommodate two different polarity commands from two or more different sources at the same time. The satellite system of the present invention includes a satellite dish or antenna that receive signals. These received signals are then transmitted to a converter. A head-in frequency processor is coupled to the converter. This head-in frequency processor enables the different frequencies and polarities to be transmitted simultaneously via a single coaxial cable. This single coaxial cable is coupled to a head-out receiver processor which is connected to a receiver. This receiver is connected to a source. This unique design and configuration provides for the system that will permit for satellite broadcasting to occur in locations that are not in the line-of-sight path to the satellites. Accordingly, the satellite system of the present invention will permit satellite broadcasting in high-rises, hospitals, condominiums, schools, and the like.